

C1
Cont.

said enantiopure amino acid is selected from the group consisting of alanine, valine, norvaline, leucine, norleucine, isoleucine, serine, isoserine, homoserine, threonine, allothreonine, methionine, ethionine, glutamic acid, aspartic acid, asparagine, cysteine, cystine, phenylalanine, tyrosine, tryptophane, lysine, arginine, histidine, ornithine, glutamine, citrulline, (1-naphthyl)alanine, (2-naphthyl)alanine, homophenylalanine, (4-chlorophenyl)alanine, (4-fluorophenyl)alanine, (3-pyridyl)alanine, phenylglycine, diaminopimelicacid (2,6-diaminoheptane-1, 7-dioic acid), 2-aminobutyric acid, 2-aminotetraline-2-carboxylic acid, erythro- β -methylphenylalanine, threo- β -methylphenylalanine, (2-methoxyphenyl)alanine, 1-amino-5-hydroxyindan-2-carboxylic acid, 2-aminoheptane-1, 7-dioic acid, (2, 6-dimethyl-4-hydroxyphenyl)alanine, erythro- β -methyltyrosine and threo- β -methyltyrosine;

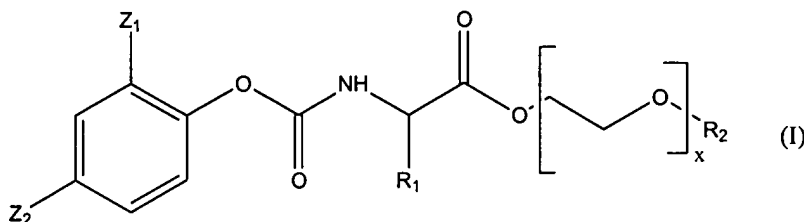
wherein said substituent at the 2 and/or 4 position of said substituted phenoxy carbonyl group is selected from the group consisting of groups having a negative inductive effect and groups having a negative resonance effect;

and said carboxyl group in the amino acid is bonded to (a) or (b), wherein

- (a) is a substituent comprising at least one ether bond, and
- (b) is a substituent comprising a chromophore selected from aromatic systems substituted in the 2 or 4 position by a substituent having a negative inductive effect and a negative resonance effect, (2-anthraquinoyl)methyl, and (9-(9H-fluorenylmethyl)) groups.

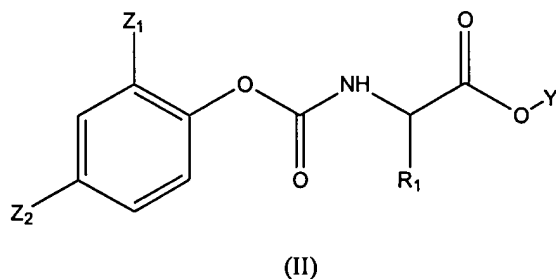
36. The reagent according to claim 35, in which at least one amino group of the enantiopure amino acid carries on activating group in order to form an active precursor of an isocyanate group.

37. A reagent corresponding to the general formula (I)

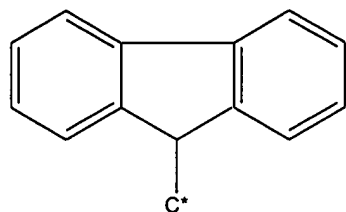


in which Z_1 and/or $Z_2 = \text{NO}_2$, $R_1 = \text{phenyl}$, α - or β -indolyl, 1-naphthyl or 2-naphthyl, $R_2 = \text{Me}$, Et, $\text{C}_3\text{-C}_6$ alkyl or $\text{C}_3\text{-C}_6$ cycloalkyl, and x represents an integer from 1 to 5.

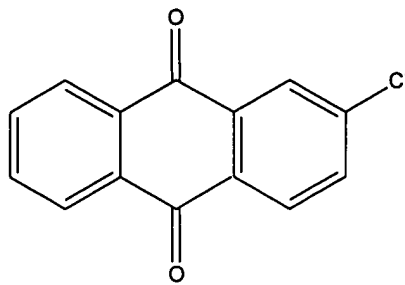
38. A reagent comprising at least one chromophore, corresponding to the general formula (II)



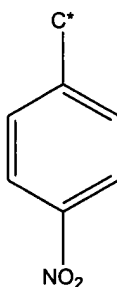
in which Z_1 and/or $Z_2 = \text{NO}_2$, $R_1 = \text{phenyl}$, α - or β -indolyl, 1-naphthyl or 2-naphthyl and Y corresponds to any one of the formulae (III to V),



(III)



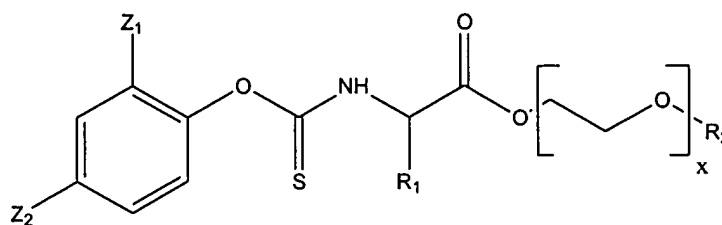
(IV)



(V)

the carbon by which Y is bonded to the oxygen of the carboxyl group of the enantiopure amino acid being marked by *.

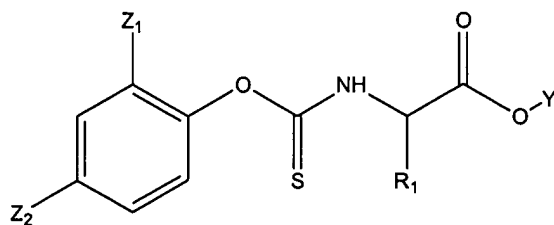
39. The reagent according to claim 35, corresponding to the general formula (V)



(VI)

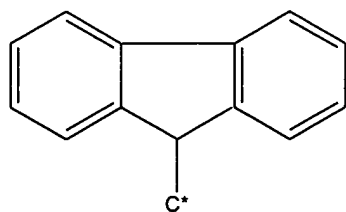
in which Z_1 and/or $Z_2 = \text{NO}_2$ or F, $R_1 = \text{phenyl}$, α - or β -indolyl, 1-naphthyl or 2-naphthyl, $R_2 = \text{Me}$, Et, $\text{C}_3\text{-C}_6$ alkyl or $\text{C}_3\text{-C}_6$ cycloalkyl, and x represents an integer from 1 to 5.

40. The reagent according to claim 35, comprising at least one chromophore, correspond to the general formula (VII)

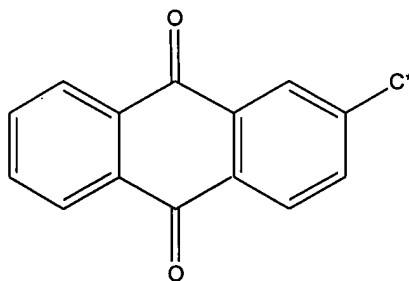


(VII)

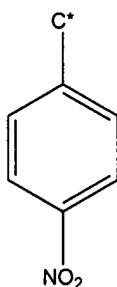
in which Z_1 and/or $Z_2 = \text{NO}_2$, $R_1 = \text{phenyl}$, α - or β -indolyl, 1-naphthyl or 2-naphthyl and Y corresponds to any one of the formulae (III to V),



(III)



(IV)



(V)

the carbon by which Y is bonded to the oxygen of the carboxyl group of the enantiopure amino acid being marked by *.

- C1
cont.
41. A solution of the reagent according to claim 35 in a polar organic solvent.
 42. The reagent of claim 35, wherein the carboxyl group is substituted by at least one substituent selected from the group consisting of a hydrophilic substituent and a substituent comprising at least one chromophore.
 43. The reagent of claim 35, comprising 2-methoxyethyl-(N-4-nitrophenyloxycarbonyl)-phenylalanine.
 44. The reagent of claim 35, wherein at least one of said substituent at the 2- and/or 4-position of the substituted phenyloxy carbonyl is selected from the group consisting of -NO₂, chlorine and fluorine.
 45. The reagent of claim 35, wherein said enantiopure amino acid is selected from the group consisting of phenylalanine, (1-naphthyl)-alanine, (2-naphthyl)-alanine, (2-indolyl)alanine and (3-indolyl)-alanine.
 46. The reagent of claim 35, wherein Y is selected from the group consisting of alkyl and aryl ethers of mono-, oligo-, or polyalkylene glycols.
 47. The reagent of claim 35, wherein Y is 2-methoxyethyl.
 48. The reagent of claim 35, wherein at least one of said substituent at the 2- and/or 4-position of the substituted phenyloxy carbonyl is selected from the group consisting of -NO₂, -SO₂R, -SO₂OR, -NR₃⁺ and SR₂⁺.

- C1
Cont.
49. The reagent of claim 35, wherein at least one of said substituent at the 2- and/or 4-position of the substituted phenyloxy carbonyl is selected from the group consisting of -NO₂.
 50. The reagent of claim 35, wherein said substituent having a negative inducting effect and a negative resonance effect is selected from the group consisting of -NO₂, -SO₂R, -SO₂OR, -NR₃⁺ and SR₂⁺.
 51. A reagent comprising a 2- and/or 4-substituted phenyloxy thiocarbonyl group bonded to at least one amino group of an enantiopure amino acid and said enantiopure amino acid further contains at least one carboxyl group and

said enantiopure amino acid is selected from the group consisting of alanine, valine, norvaline, leucine, norleucine, isoleucine, serine, isoserine, homoserine, threonine, allothreonine, methionine, ethionine, glutamic acid, aspartic acid, asparagine, cysteine, cystine, phenylalanine, tyrosine, tryptophane, lysine, arginine, histidine, ornithine, glutamine, citrulline, (1-naphthyl)alanine, (2-naphthyl)alanine, homophenylalanine, (4-chlorophenyl)alanine, (4-fluorophenyl)alanine, (3-pyridyl)alanine, phenylglycine, diaminopimelic acid (2,6-diaminoheptane-1, 7-dioic acid), 2-aminobutyric acid, 2-aminotetraline-2-carboxylic acid, erythro-β-methylphenylalanine, threo-β-methylphenylalanine, (2-methoxyphenyl)alanine, 1-amino-5-hydroxyindan-2-carboxylic acid, 2-aminoheptane-1, 7-dioic acid, (2, 6-dimethyl-4-hydroxyphenyl)alanine, erythro-β-methyltyrosine and threo-β-methyltyrosine;

C1
cont.

wherein said substituent at the 2 and/or 4 position of said substituted phenyloxy thiocarbonyl group is selected from the group consisting of groups having a negative inductive effect and groups having a negative resonance effect;

and said carboxyl group in the amino acid is bonded to (a) or (b), wherein

(a) is a substituent comprising at least one ether bond, and

(b) is a substituent comprising a chromophore selected from aromatic systems substituted in the 2 or 4 position by a substituent having a negative inductive effect and a negative resonance effect, (2-anthraquinoyl)methyl, and (9-(9H-fluorenylmethyl)) groups.

52. The reagent of claim 51, wherein at least one of said substituent at the 2- and/or 4-position of the substituted phenyloxy carbonyl is selected from the group consisting of -NO₂, chlorine and fluorine.
53. The reagent of claim 51, wherein said enantiopure amino acid is selected from the group consisting of phenylalanine, (1-naphthyl)-alanine, (2-naphthyl)-alanine, (2-indolyl)alanine and (3-indolyl)-alanine.
54. The reagent of claim 51, wherein Y is selected from the group consisting of alkyl and aryl ethers of mono-, oligo-, or polyalkylene glycols.
55. The reagent of claim 51, wherein Y is 2-methoxyethyl.

- C1
cont.
56. The reagent of claim 51, wherein at least one of said substituent at the 2- and/or 4-position of the substituted phenyloxy carbonyl is selected from the group consisting of -NO₂, -SO₂R, -SO₂OR, -NR₃⁺ and SR₂⁺.
 57. The reagent of claim 51, wherein at least one of said substituent at the 2- and/or 4-position of the substituted phenyloxy carbonyl is selected from the group consisting of -NO₂.
 58. The reagent of claim 51, wherein said substituent having a negative inducting effect and a negative resonance effect is selected from the group consisting of -NO₂, -SO₂R, -SO₂OR, -NR₃⁺ and SR₂⁺. --

REMARKS

The applicants respectfully request reconsideration in view of the amendment and the following remarks. Support for newly added claim 35 can be found in original claim 8, in the specification at page 2, lines 33-35. Support for the phrase "at least one amino group of the enantiopure amino acid" can be found in the specification at page 2, lines 33-35. Support for the specific amino acids can be found in original claim 5. Support for the Groups (a) and (b) bonded to the carboxyl group in the amino acid can be found in Formulae I and II. Support for newly added claims 36 through 41 can be found in claims 9 through 14, respectively. The applicants have rewritten claims 10 and 11 into independent form. Support for newly added claims 42 and 43 are found in claims 17 and 18. Support for newly added claims 44 through 50 and 52 through 58 are found in claims 19 through 25 and 27 through 34, respectively.